

ABSTRACT

An information processing apparatus of the present invention includes first and second computer elements which
5 execute the same instructions substantially simultaneously and
which are substantially synchronized with each other. The first
computer element includes first and second memory elements,
which are written by the first and second computer elements,
respectively, during a first state. The information processing
10 apparatus has a control element which makes the first computer
element read from the second memory element during a second
state. Another information processing apparatus has the first
and second computer elements, and first and second memory areas
which are provided in the first computer element. The first
15 and second memory areas are written by the first computer element
and the second computer element, respectively, during a first
state. A control element makes the first computer element read
from the second memory area during a second state.